

WHAT IS CLAIMED IS:

1. A method comprising:
entering user input to a source application on a first computer system to request
5 performance of a task;
generating a message in response to the user input, wherein the message
comprises one or more instructions which are computer-executable to perform the task;
storing the message in a message log;
translating the message from an original format to a portable format on the first
10 computer system, thereby generating a portable message;
retrieving the portable message from the message log; and
executing the one or more instructions to perform the task again on one or more
additional computer systems.
- 15 2. The method of claim 1, further comprising:
performing the task in response to the user input.
3. The method of claim 1,
wherein the portable format comprises XML, and the portable message comprises
20 an XML message.
4. The method of claim 1, further comprising:
sending the portable message from the first computer system to a second
computer system using peer-to-peer message passing between the first computer system,
25 the second computer system, and optionally one or more intermediary computer systems;
and
performing the requested task on the second computer system.
5. The method of claim 4, further comprising:

routing the portable message to a target application on the second computer system based on metadata which comprise identifying characteristics of the source application.

- 5 6. The method of claim 4,
 wherein the peer-to-peer message passing comprises broadcast peer-to-peer
 message passing.
7. The method of claim 4,
10 wherein the peer-to-peer message passing comprises multicast peer-to-peer
 message passing.
8. The method of claim 1,
 wherein the message log comprises a queue.
- 15 9. The method of claim 1, further comprising:
 sorting the message log by one or more elements of the metadata.
10. The method of claim 1,
20 wherein the message is generated through a distributed computing infrastructure.
11. A carrier medium comprising program instructions, wherein the program
 instructions are computer-executable to implement::
 receiving user input at a source application on a first computer system to request
25 performance of a task;
 generating a message in response to the user input, wherein the message
 comprises one or more instructions which are computer-executable to perform the task;
 storing the message in a message log;

translating the message from an original format to a portable format on the first computer system, thereby generating a portable message;

retrieving the portable message from the message log; and

5 executing the one or more instructions to perform the task again on one or more additional computer systems.

12. The carrier medium of claim 11, wherein the program instructions are further computer-executable to implement::

performing the task in response to the user input.

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13. The carrier medium of claim 11,

wherein the portable format comprises XML, and the portable message comprises an XML message.

15 14. The carrier medium of claim 11, wherein the program instructions are further computer-executable to implement::

sending the portable message from the first computer system to a second computer system using peer-to-peer message passing between the first computer system, the second computer system, and optionally one or more intermediary computer systems;

20 and

performing the requested task on the second computer system.

15. The carrier medium of claim 14, wherein the program instructions are further computer-executable to implement::

25 routing the portable message to a target application on the second computer system based on metadata which comprise identifying characteristics of the source application.

16. The carrier medium of claim 14,

wherein the peer-to-peer message passing comprises broadcast peer-to-peer message passing.

17. The carrier medium of claim 14,

5 wherein the peer-to-peer message passing comprises multicast peer-to-peer message passing.

18. The carrier medium of claim 11,

wherein the message log comprises a queue.

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19. The carrier medium of claim 11, wherein the program instructions are further computer-executable to implement::

sorting the message log by one or more elements of the metadata.

15 20. The carrier medium of claim 11,

wherein the message is generated through a distributed computing infrastructure.

21. A system comprising:

a first computer system comprising a first CPU and a first memory; and

20 one or more additional computer systems comprising one or more respective additional CPUs and one or more respective additional memories;

wherein the first computer system and the one or more additional computer systems are communicatively coupled via a network;

25 wherein the first memory stores program instructions which are executable by the first CPU to:

receive user input to a source application on the first computer system to request performance of a task;

generating a message in response to the user input, wherein the message comprises one or more instructions which are computer-executable to perform the task;

store the message in a message log;
translate the message from an original format to a portable format on the first computer system, thereby generating a portable message;
retrieve the portable message from the message log; and
5 wherein the one or more additional memories store program instructions which are executable by the one or more respective additional CPUs to:
execute the one or more instructions to perform the task again on the one or more additional computer systems.

10 22. The system of claim 21, wherein the program instructions are further executable by the first CPU to:
performing the task in response to the user input.

23. The system of claim 21,
15 wherein the portable format comprises XML, and the portable message comprises an XML message.

24. The system of claim 21, wherein the program instructions are further executable by the first CPU to:
20 sending the portable message from the first computer system to a second computer system using peer-to-peer message passing between the first computer system, the second computer system, and optionally one or more intermediary computer systems;
and
wherein the second computer system is operable to perform the requested task.

25 25. The system of claim 24,
wherein the second computer system is operable to route the portable message to a target application on the second computer system based on metadata which comprise identifying characteristics of the source application.

26. The system of claim 24,
wherein the peer-to-peer message passing comprises broadcast peer-to-peer
message passing.

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27. The system of claim 24,
wherein the peer-to-peer message passing comprises multicast peer-to-peer
message passing.

10 28. The system of claim 21,
wherein the message log comprises a queue.

29. The system of claim 21, further comprising:
sorting the message log by one or more elements of the metadata.

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30. The system of claim 21,
wherein the message is generated through a distributed computing infrastructure.